



Faculty of Medicine & Health
School of Medical Sciences

PHSL2201 • 2221 • 2502

2nd year Physiology

COURSE OUTLINE

Term 2, 2021

CRICOS Provider Code 00098G

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Please read this outline in conjunction with the following pages on the [School of Medical Sciences website](#):

- [Advice for Students](#)
- [Learning Resources](#)

(or see "STUDENTS" tab at medicallsciences.med.unsw.edu.au)

COURSE INFORMATION

EXAMINER AND COURSE CO-ORDINATOR

Course Convenor:	Dr. Lesley Ulman l.ulman@unsw.edu.au	Room 204 West Wing Wallace Wurth (ph: (02) 9385 3601)
Co-convenor:	Dr. Nicole Marden n.marden@unsw.edu.au	Room 204 West Wing Wallace Wurth (ph: (02) 9065 0453)

If you need to consult with either, appointments can be set up through email.

LECTURERS IN THIS COURSE

Dr V.Birzniece	v.birzniece@unsw.edu.au
Dr N.Marden	n.marden@unsw.edu.au
Dr J.Cederholm	j.cederholm@unsw.edu.au
Dr K.Gibson	k.gibson@unsw.edu.au
Dr T. Murphy	tim.murphy@unsw.edu.au

If you require to consult with any of these staff, appointments can be made via email.

The teaching staff involved in the running of this course are located on the second and third floors of the west wing of the Wallace Wurth building. These areas are not accessible by students so if you wish to contact one of us you will need to do so by email, and we can organize to meet with you if necessary.

OBJECTIVES OF THE COURSE

This course is offered to second year students and follows on from the first term course. The major aims of this course are to provide students with a basic understanding of the fundamental processes and mechanisms that serve and control the various functions of the body. It should be noted that, although introductory, this course in Human Physiology is comprehensive in scope. Areas treated in detail include Endocrine Physiology, Reproductive Physiology, Respiration, Kidney & Body Fluids and Gastrointestinal Physiology.

It should also be noted that, where appropriate, subject areas are treated quantitatively as well as qualitatively, an approach that requires students to have at least a basic knowledge of mathematics and chemistry.

COURSE STRUCTURE

This is a 6 unit of credit course which will be delivered in a blended mode. There will be no face-to-face lectures; instead, lecture material will be pre-recorded and available for students to access week by week. These online lecture modules will provide you with the concepts and theory essential for understanding the fundamental processes of body function.

There will be a series of synchronous online Q&A sessions at 9am each Wednesday morning for students to ask questions and clarify any issues which may have arisen from the current lecture material. We will also have an additional synchronous online Q&A session at 2pm on Monday in weeks 1, 5, 7 and 10. The week 1 session will be a welcome session, the week 7 session will be a regular Q&A session on lecture material and the weeks 5 & 10 sessions are revision sessions to help you prepare for the mid-term and end of term exams.

There are also online tutorials relating to all the major topic areas. These are designed to complement and enhance your understanding of the lecture material.

The practical classes are a major component of the course.

You will have chosen to enrol in either a face-to-face or online practical group, depending on your circumstances. Where possible, we would encourage you to enrol in a face-to-face practical group. Please be aware that we have reduced class sizes to allow for physical distancing, and a range of additional health and safety measures have been introduced to maintain the health and safety of all students and staff attending face-to-face classes.

If you have elected to do the practicals face-to-face, there will be 4 timetabled practical sessions. You will be divided into small working teams of approximately 4 students within your practical group at the beginning of the term and you will remain in these teams throughout the term. These practicals comprise a fortnightly 3-hour laboratory session during which you will work in your teams and carry out the laboratory exercises outlined in the practical notes.

If face-to-face practical class attendance is not possible, there is the option to enrol in an online practical group. The online practical group will be provided with online resources for the face-to-face practical classes and will have the opportunity to engage with a synchronous Q&A session for each practical class.

If you have elected the face to face or online stream, you will be required to read the practical notes for each of these classes and complete the pre- and post-laboratory modules on each of the practicals. There are also three online self-directed computer classes which you will complete in your own time. These can be accessed from any computer. These classes are clearly outlined in your practical timetable. Although all self-directed classes are unsupervised, the material is still examinable.

APPROACH TO LEARNING AND TEACHING

Although the primary source of information for this course is the lecture material, effective learning can be enhanced through self-directed use of other resources such as textbooks and Moodle. Your practical classes will be directly related to the lectures and it is essential to read the practical notes and complete the pre- and post-lab activities for each (accessed through Moodle). The self-directed online tutorials (also accessed through Moodle) have been carefully designed to enhance and test your understanding of the lecture material. It is up to you to ensure you perform well in each part of the course: keeping up with pre-recorded lectures, engaging with the tutorials, making full use of the pre and post laboratory modules, studying for exams and seeking assistance to clarify your understanding. Online feedback quizzes and past exam questions are provided to assist you in preparing for examinations.

UNSW LEARNING OUTCOMES

UNSW aims to provide an environment that fosters students achieving the following generic graduate attributes:

1. the skills involved in scholarly enquiry
2. an in-depth engagement with the relevant disciplinary knowledge in its interdisciplinary context
3. the capacity for analytical and critical thinking and for creative problem-solving
4. the ability to engage in independent and reflective learning
5. information literacy - the skills to appropriately locate, evaluate and use relevant information
6. the capacity for enterprise, initiative and creativity
7. an appreciation of, and respect for, diversity
8. a capacity to contribute to, and work within, the international community
9. the skills required for collaborative and multidisciplinary work
10. an appreciation of, and a responsiveness to, change
11. a respect for ethical practice and social responsibility
12. the skills of effective communication.

Not every course addresses all these attributes evenly. In second year physiology, attributes 1-4 are most relevant.

ASSESSMENT

Online Mid-term Theory Exam (40 min duration)	20%
The mid-term exam will be held online on Wednesday 30 th June 2021 and will consist of the following:	
<ul style="list-style-type: none">• 9 multiple choice questions on material covered in Endocrine Physiology and Reproductive Physiology lectures and tutorials.• Two 13.5-minute short answer questions: one on Endocrine Physiology and one on Reproductive Physiology.	
End of term Exam (2 hours duration)	60%
Final exam period for Term 2, 2021 is 13 August to 26 August 2021. The end of term exam will consist of the following:	
<ul style="list-style-type: none">• 20 multiple choice questions on all Respiration, Temperature Regulation, Kidney & Body Fluids and Gastrointestinal Physiology lectures and tutorials.• Three 13.5-minute short answer questions: one on Respiration, one on Kidney & Body Fluids and one on Gastrointestinal Physiology lectures and tutorials.• 30 multiple choice questions on material pertaining to all the term 1 practical classes (face-to-face and online).	
Tutorials	10%
The tutorials will count 10% towards your final grade. There will be 5 online tutorials over the term that relate to each of the major lecture topics. These will be accessed online via Moodle. For these tutorials you will be required to interact and provide answers to questions. You can attempt these tutorials as many times as you wish but you need to score 90% or more by the due date in order to be awarded the 2% course credit assigned to each of the online tutorials. Part marks will not be awarded for attempts scoring less than 90%. Once you do get your 2% or if the deadline date is reached, this grading version of the tutorial will no longer be available, but an identical non-graded revision module will be available. A timetable showing the due dates for each tutorial is available on Moodle.	
Post-laboratory revision modules	10%
There will be 4 post-laboratory revision modules, one for each of the face-to-face practical classes. Together, these post-lab revision modules will count 10% towards your final course grade. The post-lab modules are accessed via Moodle and should be completed after the respective practicals as they have been designed to consolidate your understanding of the material covered in the practical. You can attempt these revision modules as many times as you wish but you need to score 90% or more by the due date in order to attain the 2.5% course credit assigned to each revision module. A timetable showing the due dates for each post-lab revision module is available on Moodle.	

Formative Online Feedback Quizzes

Aside from the graded assessments, we also have a series of formative online feedback quizzes relating to each lecture topic. These quizzes will be available via Moodle throughout the term but are best attempted after completion of the corresponding lectures. These quizzes are to be used as a study aid and you will receive immediate detailed feedback after submitting your answers. You can attempt these formative quizzes in your own time and as many times as you wish.

While there is no course credit assigned to these quizzes, they allow you to test your understanding of each topic and the questions may be very similar to questions you will see in the graded exams. There will be a series of 5 online feedback quizzes throughout the term covering each topic.

Please note that online feedback quizzes are intended to motivate your study, provide feedback on your progress and to stimulate your learning. There is published data which demonstrates that students who participate in online feedback assessments perform significantly better than their peers in end of course examinations.

When attempting each online feedback assessment, it is recommended that you complete it under exam conditions (by exam conditions, we mean you should do it by yourself, don't look up the answers as you do it, and commit yourself to an answer), at least the first time you attempt it. This will provide the most realistic appraisal of your performance.

Give yourself plenty of time and attempt the feedback assessment in a place where you will not be interrupted. If you are attempting to simulate exam conditions, you should allow up to 2 minutes per question.

Write down items that you are not sure about as you go. Even if you get the question right you should still read further about anything that is unclear to you.

If you don't agree with, or can't understand the reason for an answer, ask the appropriate member of academic staff. If you are not sure who that is, ask your colleagues or the course convenor.

Grading of online tutorials

There are five major tutorial topics: Endocrine Physiology, Reproductive Physiology, Respiration, Kidney & Body Fluids and Gastrointestinal Physiology. Within each of these major tutorial topics, some are broken down into smaller sub-topic modules. Each of the major tutorial topics contribute 2% towards the final course grade. The grades for the smaller sub-topic modules within a major topic are equally weighted and thus depend on the number of smaller modules within that topic (e.g. for Reproductive Physiology there are 3 sub-topic modules, which are each worth approximately 0.67%, whereas for the Kidney there are only 2 sub-topic modules, which are therefore each worth 1%).

Remember that you need to achieve a minimum score of 90% in a particular tutorial module by the due date in order to be awarded the grade for that module. If you do not achieve the required minimum score, the gradebook will either show no grade or a zero grade for that particular module and you will need to attempt it again before the due date.

The grades for all the tutorial modules are outlined below:

Major tutorial topic	Subtopic Module	Grade
Tutorial 1: Endocrine Physiology	Only 1 part: Endocrine Physiology	2.00
	Maximum Total for Endocrine Physiology	2.00
Tutorial 2: Reproductive Physiology	Part 1: Male Reproductive System	0.67
	Part 2: Female Reproductive System	0.67
	Part 3: Pregnancy	0.66
	Maximum Total for Reproductive Physiology	2.00
Tutorial 3: Respiration	Only 1 part: Respiratory System	2.00
	Maximum Total for Respiration	2.00
Tutorial 4: Kidney & Body Fluids	Part 1: Kidney & Body Fluids	1.00
	Part 2: Kidney & Body Fluids	1.00
	Maximum Total for Kidney & Body Fluids	2.00
Tutorial 5: Gastrointestinal Tract	Only 1 part: Gastrointestinal Physiology	2.00
	Maximum Total for GIT	2.00

TEXTBOOK

PRINCIPLES OF HUMAN PHYSIOLOGY by Cindy L. Stanfield, Global Edition (6th edition), 2017, published by Pearson Education. Books are available from the UNSW bookshop and e-books are available from UNSW library website.

This textbook comes with an online platform called Mastering A&P which contains some useful interactive modules. We have selected some of these which provide a good supplement to the lecture and tutorial material and will help with revision of this material. You will not be examined on this material specifically as it really serves to clarify and consolidate your lecture content. There is no set time allocated for these suggested self-study sessions. You are encouraged to work through these sessions in your own time. Please refer to the section on self-study sessions for further details, including how to access these modules.

STUDENT REPRESENTATIVES

We are seeking student representatives for term 2 2021. Ideally, we would like to have two representatives from each of our different cohorts (Science, Medical Science, Engineering, Optometry and Exercise Physiology). In terms of commitment, it is expected that we would meet online with student representatives about twice during the term. During these meetings representatives will have the opportunity to report on any feedback relating to the course that has been gathered from peers either verbally or via email. Being a student representative gives you the opportunity to provide a voice for your student cohort and is a role that can be listed on your CV. Please email Dr Nicole Marden (N.Marden@unsw.edu.au) if you would like to be a student representative or if you would like any further information. Student representatives will be selected on a first come first serve basis.

GENERAL INFORMATION

The Department of Physiology is part of the School of Medical Sciences and is within the Faculty of Medicine. It is located on the 2nd and 3rd floors of the West Wing of the Wallace Wurth Building. General inquiries can be submitted via the UNSW Student Portal Web Forms <http://unsw.to/webforms>

Professor Gary Housley is Head of Department and appointments to see him may be made through email (G.Housley@unsw.edu.au).

There is an honours program conducted by the School. The Honours program is co-ordinated by A/Prof Cristan Herbert (c.herbert@unsw.edu.au). Any students considering an Honours year should discuss the requirements with him. Outstanding students may be considered for scholarships offered by the University and School and these are offered annually.

Postgraduate research degrees

The Department of Physiology offers students the opportunity to undertake a Doctorate (*Ph.D*). For further information contact the co-ordinator, A/Prof Pascal Carrive (P.Carrive@unsw.edu.au).

ATTENDANCE REQUIREMENTS

If you have enrolled to attend the face-to-face practical sessions, then attendance at **ALL** of these face-to-face practical classes is deemed to be compulsory unless you have a medical or other valid reason for non-attendance. QR codes will be used in practical sessions for COVID-19 contact tracing. It is really important that you scan and register your attendance in each practical class via the QR code provided.

Satisfactory completion of the work set for each class is essential and **IS A REQUIREMENT FOR PASSING PHYSIOLOGY**. Non-attendance for other than documented medical or other serious reasons may make you ineligible to successfully complete this course. At the very least you may be

required to pass an additional oral examination on the practical classes, as well as undertaking the normal practical exam.

Students who miss practical classes due to illness or for other reasons must submit a medical certificate **WITHIN 7 DAYS** of missing a class. If received after this time, no consideration will be given and you will be marked absent from that class. Medical certificates may be sent via email to the course convenors (l.ulman@unsw.edu.au or n.marden@unsw.edu.au), submitted to academic staff during lab time, or left with a member of the technical staff located in room 118 East Wing Wallace Wurth Building.

The following details must be provided along with the medical certificate: Name, Student number, Group number, Date of the class, Name of class missed.

The practical component of the final exam is compulsory FOR ALL STUDENTS.

Please note that you are not required to apply for special consideration via Online Services in myUNSW for a missed practical class.

Missing any examination however, requires lodging a medical certificate via Online Services in myUNSW within 3 DAYS of the missed assessment (further details on how to do this are linked from the SoMS Student advice page: medsciences.med.unsw.edu.au/students/undergraduate/advice-students).

Important note regarding COVID-19 and attendance:

It is important that we highlight safety precautions relating to COVID-19 and attendance.

Do Not come to campus and attend practical classes if you have any COVID-19 symptoms, even very mild symptoms; instead, you should self-isolate at home and get tested. The main symptoms to look out for are fever, cough, sore/scratchy throat, shortness of breath, runny nose, loss of smell and loss of taste.

In addition, you SHOULD NOT come to campus and attend practical classes if you have been advised to self-isolate because you are a close contact of somebody with COVID-19.

If you have had a COVID-19 test, you must remain at home in self-isolation while awaiting the test results. Even if you test negative, you must not come to campus and attend practical classes until all your symptoms have resolved.

If you test positive for COVID-19, you must continue to self-isolate at home and you must notify UNSW immediately by submitting the UNSW COVID-19 Case Notification Form.

Students who miss practical classes due to COVID-19 related public health measures such as self-isolation are not required to provide any medical documentation; however you should contact the course convenors (l.ulman@unsw.edu.au or marden@unsw.edu.au) to inform them of your absence.

Please refer to the UNSW Safe Return to Campus Guidance – Health, Safety and Wellbeing for further information relating to keeping the UNSW community safe from COVID-19: <https://www.covid-19.unsw.edu.au/health-safety-wellbeing>

OFFICIAL COMMUNICATION BY EMAIL

All students in courses PHSL2201, 2221 and 2502 are advised that e-mail is the official means by which the School of Medical Sciences at UNSW will communicate with you. All e-mail messages will be sent to your official UNSW e-mail address (e.g., z1234567@unsw.edu.au) and, if you do not wish to use the University e-mail system, you MUST arrange for your official mail to be forwarded to your chosen address. Email correspondence with the University should be from your UNSW email address in order to reduce identity confusion.

The University recommends that you check your mail at least every other day. Facilities for checking e-mail are available in the School of Medical Sciences and in the University library. Further information and assistance is available from the IT Service Centre (02) 9385 1333.

NOTICES

All current timetables, notices and information relevant to you will be available on Moodle. It is your responsibility to check Moodle regularly.

All lectures are pre-recorded and will be made available to you each week. They can be accessed via Moodle. Textbooks and some reference materials are available through open reserve.

TEACHING RESOURCES IN PHYSIOLOGY

Moodle: <https://moodle.telt.unsw.edu.au/login/index.php>

We will be using the UNSW Moodle learning management system to provide you with information about the course and access to online resources. Lecture notes, online modules, access to your grades, course documents and reference material can all be found on the course Moodle site.

For System Requirements for Moodle refer to:

<https://student.unsw.edu.au/moodle-system-requirements>

APPLICATIONS FOR SPECIAL CONSIDERATION FOR MISSED ASSESSMENTS / EXAMS

If you believe that your performance in a course, either during term or in an examination, has been adversely affected by sickness or for any other reason, you should ask for special consideration in the determination of your results. Such requests should be made as soon as practicable after the problem occurs. **Special consideration sought more than three days after an examination in a course WILL NOT be accepted except in TRULY exceptional circumstances.**

An application for special consideration must be made via Online Services in myUNSW. **You must obtain and attach Third Party documentation (e.g. medical certificates) before submitting the application. Failure to do so may result in the application being rejected.** Log into myUNSW and go to My Student Profile tab > My Student Services channel > Online Services > Special Consideration. Once completed, submit to [UNSW Student Central](https://student.unsw.edu.au/central) (<https://student.unsw.edu.au/central>). In addition to this, you should also inform the course convenor that you have applied for special consideration.

UNSW now has a Fit to Sit / Submit rule, which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit to do so and cannot later apply for Special Consideration.

If you miss an assessment and have applied for Special Consideration, this will be taken into account when your final grade is determined. You should note that marks derived from completed assessment tasks may be used as the primary basis for determining an overall mark e.g. by extrapolating from your percentile rank on those tasks. Where appropriate, supplementary examination may be offered. **These will be held between 6th-10th September 2021 so you MUST ensure that you are available throughout this period.**

Normally, if you miss an exam (without medical reasons) you will be given an absent fail. If you arrive late for an exam no time extension will be granted. It is your responsibility to check timetables and ensure that you arrive with sufficient time.

Please refer to student.unsw.edu.au/special-consideration for further details regarding special consideration.

CONTINUAL COURSE IMPROVEMENT

Periodically student evaluative feedback on the course is gathered, using among other means, UNSW's MyExperience process. Student feedback is taken seriously, and continual improvements are made to the course based in part on such feedback. Significant changes to the course will be communicated to subsequent cohorts of students taking the course.

REPEATING STUDENTS

Practical class exemptions may be granted to repeat students, but students **must** check with the course convenor whether they have exemption **prior** to their first practical class. All students must be familiar with the material covered in the practical classes. All students must do the practical component of the final exam.

STUDENT SUPPORT SERVICES

For all students, there are some useful links to help you with your online learning.

- Transitioning to Online Learning <https://www.covid19studyonline.unsw.edu.au/>
- Guide to Online Study <https://student.unsw.edu.au/online-study>
- UNSW Student Life Online <https://student.unsw.edu.au/help#main-content>

Those students who have a disability that requires some adjustment in their teaching or learning environment are encouraged to discuss their study needs with the course convenor prior to, or at the commencement of their course, or with the Disability Advisor in the Equitable Learning Services unit (formerly Disability Support Services) (8374 9201 or <https://student.unsw.edu.au/els>). Students that have been granted an Equitable Learning Plan (ELP) should email this to the Course Convenors (l.ulman@unsw.edu.au and n.marden@unsw.edu.au) as soon as possible in the term.

Issues to be discussed may include access to materials, signers or note-takers, the provision of services and additional exam and assessment arrangements. Early notification is essential to enable any necessary adjustments to be made.

ACADEMIC SKILLS

The UNSW Learning and Career Hub offers workshop programmes throughout the academic year on a wide variety of Academic and Career Development skills. These include referencing, writing skills, critical thinking, exam preparation and time management. Individual assistance is available on request. Further information can be obtained using the link <https://student.unsw.edu.au/support>

ACADEMIC HONESTY AND PLAGIARISM

The School of Medical Sciences will not tolerate plagiarism in submitted written work. The University regards this as academic misconduct and imposes severe penalties. Evidence of plagiarism in submitted assignments, etc. will be thoroughly investigated and may be penalized by the award of a score of zero for the assessable work. Flagrant plagiarism will be directly referred to the Division of the Registrar for disciplinary action under UNSW rules.

What is plagiarism? [STUDENT.UNSW.EDU.AU/PLAGIARISM](https://student.unsw.edu.au/plagiarism)

Plagiarism at UNSW is defined as using the words or ideas of others and passing them off as your own. Examples include:

Copying	Using the same or very similar words to the original text or idea without acknowledging the source or using quotation marks. This includes copying materials, ideas or concepts from a book, article, report or other written document, presentation, composition, artwork, design, drawing, circuitry, computer program or software, website, internet, other electronic resource, or another person's assignment, without appropriate acknowledgement.
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Inappropriate paraphrasing	<p>Changing a few words and phrases while mostly retaining the original structure and/or progression of ideas of the original, and information without acknowledgement.</p> <p>This also applies in presentations where someone paraphrases another's ideas or words without credit and to piecing together quotes and paraphrases into a new whole, without appropriate referencing.</p>
Collusion	<p>Presenting work as independent work when it has been produced in whole or part in collusion with other people. Collusion includes</p> <ul style="list-style-type: none"> ▪ students providing their work to another student before the due date, or for the purpose of them plagiarising at any time ▪ paying another person to perform an academic task and passing it off as your own ▪ stealing or acquiring another person's academic work and copying it ▪ offering to complete another person's work or seeking payment for completing academic work. <p>This should not be confused with academic collaboration.</p>
Inappropriate citation	<p>Citing sources which have not been read, without acknowledging the 'secondary' source from which knowledge of them has been obtained.</p>
Self-plagiarism	<p>'Self-plagiarism' occurs where an author republishes their own previously written work and presents it as new findings without referencing the earlier work, either in its entirety or partially.</p> <p>Self-plagiarism is also referred to as 'recycling', 'duplication', or 'multiple submissions of research findings' without disclosure. In the student context, self-plagiarism includes re-using parts of, or all of, a body of work that has already been submitted for assessment without proper citation.</p>

Students are reminded of their Rights and Responsibilities in respect of plagiarism, as set out in the University Undergraduate and Postgraduate Handbooks and are encouraged to seek advice from academic staff whenever necessary to ensure they avoid plagiarism in all its forms. student.unsw.edu.au/plagiarism is the central University online resource for information on plagiarism and academic honesty.

GUIDELINES ON EXTRA-CURRICULAR ACTIVITIES AFFECTING ATTENDANCE

Students should refer to the following website for information relating to extracurricular activities.
<https://medicalsciences.med.unsw.edu.au/sites/default/files/Extra-curricularActivitiesSOMS.pdf>

GRIEVANCE RESOLUTION OFFICER

In case you have any problems or grievance with the course, you should try to resolve it with the Course Convenor (Dr Lesley Ulman 9385 3601). If the grievance cannot be resolved in this way, you should contact the School of Medical Sciences Grievance Officer, Prof Nick di Girolamo (n.digirolamo@unsw.edu.au).

TIMETABLES

PHSL2201 / PHSL2221 / PHSL2502: TERM 2 2021 LECTURE TIMETABLE

Week No. Commencing	Synchronous Online Mon 2-3 PM Wks 1, 5, 7 & 10	Asynchronous Online Lecture Recordings (To be accessed by students in their own time during the designated week)	Synchronous Online Wed 9-10 AM Wks 1-4, 7-10
O-Week, 25-May	Moodle Welcome, Enrol in groups, Online Course Info		
1 31-May	Introduction Q&A ULMAN / ALL STAFF	Endocrine 1, 2 & 3 BIRZNIECE	Endocrine Q&A BIRZNIECE
2 7-Jun		Endocrine 4 & 5 BIRZNIECE Reproduction 1 MARDEN	Endocrine Q&A BIRZNIECE
3 14-Jun		Reproduction 2 & 3 MARDEN Respiration 1 CEDERHOLM	Reproduction Q&A MARDEN
4 21-Jun		Respiration 2, 3 & 4 CEDERHOLM	Respiration Q&A CEDERHOLM
5 28-Jun	Mid-Term Revision Q&A ULMAN, BIRZNIECE, MARDEN	Respiration 5 & 6 - CEDERHOLM Temperature Regulation - GIBSON	MID-TERM EXAM
6 5-Jul	Flexibility Week		
7 12-Jul	Respiration / Temp Reg Q&A CEDERHOLM / GIBSON	Kidney & Body Fluids 1, 2, 3 & 4 GIBSON	Kidney & Body Fluids Q&A GIBSON
8 19-Jul		Kidney & Body Fluids 5, 6 & 7 GIBSON	Kidney & Body Fluids Q&A GIBSON
9 26-Jul		Gastrointestinal Tract 1, 2 & 3 MURPHY	Gastrointestinal Tract Q&A MURPHY
10 2-Aug	Final Exam Prac Revision Q&A ALL STAFF	Gastrointestinal Tract 4 - GIBSON Gastrointestinal Tract 5 & 6 - MURPHY	GIT / Final Exam Revision Q&A MURPHY / ALL STAFF

Practical class information

Students have been given the opportunity to enrol in either a face-to-face or online practical group. Where possible, we encourage students to enrol in a face-to-face practical group as practical classes are a core experience in your degree and provide the opportunity to acquire certain essential skills. It should be noted that class sizes have been reduced to allow for physical distancing, and a range of additional health and safety measures have been introduced to maintain the health and safety of students and staff attending face-to-face classes. If face-to-face practical class attendance is not possible due to location or other factors, then students have the option to enrol in the online practical group. Students in the online practical group will be provided with online resources to replace the face-to-face practicals and will have the opportunity to engage in a synchronous online Q&A session related to each of the face-to-face practical classes.

All students will complete 7 practical classes. If you have enrolled in a face-to-face practical group, 4 of the 7 practicals (Thyroid Physiology, Endocrine & Reproductive Physiology, Respiratory Gas Exchange and Control of Respiration) will be run as face-to-face classes in our teaching laboratories in the Wallace Wurth Building, while the remaining 3 practical classes will be self-directed online practical classes.

All practicals are examinable in the final examination.

The first self-directed practical is the Renal Endocrine practical. This should be completed towards the end of the Kidney & Body Fluids lectures.

The second online practical consists of 3 modules related to Renal Physiology. These should be done alongside the Kidney & Body Fluids lectures.

The third online practical is the Gastrointestinal one. This is best attempted in conjunction with the GIT lectures.

All online practicals can be accessed on any computer.

Below is a timetable of the practicals showing you the sequence in which we will expect you to tackle each practical.

PHYSIOLOGY TERM 2 PRACTICAL TIMETABLE 2021

Week	Day & Time	Date	Prac Group	Supervised practical Wallace Wurth East Wing LAB 115 & 116	Prac Group	Online practicals (any computer)
1	Tues 10-1 Tues 2-5 Wed 10-1	1/6 1/6 2/6	1 2 3	THYROID PHYSIOLOGY		
2	Tues 10-1 Tues 2-5 Wed 10-1	8/6 8/6 9/6	4 5 6	THYROID PHYSIOLOGY		
3	Tues 10-1 Tues 2-5 Wed 10-1	15/6 15/6 16/6	1 2 3	ENDO/REPRO PHYSIOLOGY		
4	Tues 10-1 Tues 2-5 Wed 10-1	22/6 22/6 23/6	4 5 6	ENDO/REPRO PHYSIOLOGY		
5	Tues 10-1 Tues 2-5 Wed 10-1	29/6 29/6 30/6	NO PRACTICALS			
6	Tues 10-1 Tues 2-5 Wed 10-1	6/7 6/7 7/7	FLEXIBLE WEEK			
7	Tues 10-1 Tues 2-5 Wed 10-1	13/7 13/7 14/7	1 2 3	RESPIRATORY GAS EXCHANGE	ALL GPS	Online Renal Endocrine Practical
8	Tues 10-1 Tues 2-5 Wed 10-1	20/7 20/7 21/7	4 5 6	RESPIRATORY GAS EXCHANGE		And Online Renal Physiology practical
9	Tues 10-1 Tues 2-5 Wed 10-1	27/7 27/7 28/7	1 2 3	CONTROL OF RESPIRATION	ALL GPS	Online GIT practical
10	Tues 10-1 Tues 2-5 Wed 10-1	3/8 3/8 4/8	4 5 6	CONTROL OF RESPIRATION		

COMPULSORY LAB COATS REQUIRED FOR "SHADED" CLASSES

PHYSIOLOGY TERM 2 PRACTICAL TIMETABLE 2021: Online Prac Group (7)

Week	Date & Time	Prac Group	Practical
1	Asynchronous online	7	THYROID PHYSIOLOGY <i>Complete pre-lab module and view recording of practical</i>
2	Tues 8 th June 1-2pm	7	THYROID PHYSIOLOGY <i>Synchronous online Q&A session</i>
3	Asynchronous online	7	ENDO & REPRO PHYSIOLOGY <i>Complete pre-lab module and view recording of practical</i>
4	Tues 22 nd June 1-2pm	7	ENDO & REPRO PHYSIOLOGY <i>Synchronous online Q&A session</i>
5	NO PRACTICAS		
6	Flexibility Week		
7	Asynchronous online	7	RESPIRATORY GAS EXCHANGE <i>Complete pre-lab module and view recording of practical</i> Online Renal Endocrine Practical & Online Renal Physiology practical <i>Complete online practicals</i>
8	Tues 20 th July 1-2pm	7	RESPIRATORY GAS EXCHANGE <i>Synchronous online Q&A session</i>
9	Asynchronous online	7	CONTROL OF RESPIRATION <i>Complete pre-lab module and view recording of practical</i>
10	Tues 3 rd August 1-2pm	7	CONTROL OF RESPIRATION <i>Synchronous online Q&A session</i>

LABORATORY REGULATIONS AND BEHAVIOUR

Health and Safety is a primary concern for both students and staff working in any laboratory.

The following regulations MUST be adhered to when participating in Physiology practical classes:

- Each practical class has a student risk assessment (SRA) and a student safe working procedure (SSWP) associated with it.
- The SRA identifies the hazards and risks associated with the particular practical and outlines appropriate controls that must be followed to minimize these risks. The SRA also lists the personal protective equipment (PPE) that students are required to wear for that class, emergency procedures and clean up and waste disposal instructions. Please note that the SRA has been updated carefully to incorporate COVID-19 safety precautions.
- The SSWP provides background information relating to the class and outlines the procedures to be carried out in that class.
- Students must read the practical notes and sign the SRA prior to commencing the class.
- In each laboratory there are also more comprehensive school approved risk assessments, associated safe work procedures and safety data sheets (SDS) for each particular class. You may refer to these if you require further information. First aid kits and specific spill kits are also located in the laboratories.
- If any accidents or incidents occur, they should be reported immediately to the demonstrator in charge of the class who will record the incident and recommend what further action is required.
- Students are required to wear the appropriate PPE for each class. As part of our COVID-19 safety precautions, students must wear surgical facemasks in addition to other PPE required for the class. Students should bring their own masks or they can purchase one from the Technical staff or on campus.
- Enclosed shoes are mandatory for entering any laboratory and you will not be permitted to participate in the practical if you are not wearing appropriate footwear. Most practical classes will also require a lab coat which you must provide. You must regularly wash your lab coat. If you do not bring your lab coat to these classes, you will not be able to participate.
- Many classes will require you to wear gloves (which will be provided). Gloves must be removed before writing in lab books and using computers or other electrical equipment.
- You must not wear lab coats or gloves outside the laboratory.
- You must not eat or drink in any laboratory.
- Students are expected to arrive on time. Any student arriving more than 10 minutes late may be refused entry.
- Mobile phones should be turned off before entering the class.
- Laboratory computers may only be used for work relating to the practical class.
- It is expected that students behave appropriately in laboratory classes. In the event of inappropriate behavior students may be asked to leave.
- It is of course vital that animals used in practical classes **MUST** be treated humanely and with respect. Taking photos is **ABSOLUTELY UNACCEPTABLE** and will result in removal from the class and a referral to the Head of Department.

The procedures used in the laboratory classes involving the use of animals have been approved by the UNSW Animal Ethics Committee on the Use of Animals in Research and Teaching (Approval Number: ACEC 19/67B expiring May 2022).

Experiments in this manual, which involve the use of human subjects, have been considered and approved by the School of Medical Sciences Teaching Ethics Committee on Experimental Procedures Involving Human Subjects for teaching. Practical classes involving your participation as a subject requires you to read the Participant information sheet and sign a witnessed, informed consent form.